

### DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: DOUBLE GATE SEMICONDUCTOR DEVICE HAVING SEPARATE GATES, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s), designating at least one country other than the United States, listed below and have also identified below any foreign application(s) for patent or inventor's certificate, or any PCT international application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT international application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Combined Declaration and Power of Attorney  
Attorney's Docket No. H1105

U.S. Applications		Status (Check One)		
U.S. Application Number	U.S. Filing Date	Patented	Pending	Abandoned

PCT Applications Designating the U.S.					
PCT Application No.	PCT Filing Date	U.S. Serial Number Assigned (if any)			

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. HARRITY & SNYDER, L.L.P.; Paul A. Harrity, Reg. No. 39,574; Glenn Snyder, Reg. No. 41,428; John E. Harrity, Reg. No. 43,367; Tony M. Cole, Reg. No. 43,417; Brian E. Ledell, Reg. No. 42,784; and Alan Pedersen-Giles, Reg. No. 39,996; all of

HARRITY & SNYDER, L.L.P.  
11240 Waples Mill Road  
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and Elizabeth A. Apperley, Reg. No. 36,428; Bradley Botsch, Reg. No. 34,552; Michael Caywood, Reg. No. 37,797; Daniel R. Collopy, Reg. No. 33,667; Kent Cooper, Reg. No. 37,296; Paul S. Drake, Reg. No. 33,491; Diana Roberts, Reg. No. 36,654; Richard J. Roddy, Reg. No. 27,688; Keith Witek, Reg. No. 37,475; and Harry A. Wolin, Reg. No. 32,638.

Please address all correspondence to  
**HARRITY & SNYDER, L.L.P.**  
11240 Waples Mill Road  
Suite 300  
Fairfax, Virginia 22030  
Telephone No. (571) 432-0800

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Combined Declaration and Power of Attorney  
Attorney's Docket No. H1105

Full Name of First Inventor Shibly S. AHMED	Inventor's Signature <i>Shibly Sadique Ahmed</i>	Date 10.31.02
Residence San Jose, California	Country of Citizenship BANGLADESH	
Post Office Address 350 Elan Village Lane #105, San Jose, California 95134		

Full Name of Second Inventor Haihong WANG	Inventor's Signature <i>Haihong Wang</i>	Date 10/28/02
Residence Fremont, California	Country of Citizenship CHINA	
Post Office Address 34170 Donahue Terrace, Fremont, California 94555		

Full Name of Third Inventor Bin YU	Inventor's Signature <i>Bin Yu</i>	Date 10/31/02
Residence Cupertino, California	Country of Citizenship CHINA	
Post Office Address 1373 Poppy Way, Cupertino, California 95014		

→ Winona  
3-2003  
0020-0068

MARCH 17, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

HARRITY & SNYDER, LLP  
11240 WAPLES MILL ROAD  
SUITE 300  
FAIRFAX, VA 22030



\*102281624A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
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PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
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RECORDATION DATE: 11/08/2002

REEL/FRAME: 013479/0785  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

AHMED, SHILBY S.

DOC DATE: 10/31/2002

ASSIGNOR:

WANG, HAIHONG

DOC DATE: 10/28/2002

ASSIGNOR:

YU, BIN

DOC DATE: 10/31/2002

ASSIGNEE:

ADVANCED MICRO DEVICES, INC.  
ONE AMD PLACE  
P.O. BOX 3453, MS 68  
SUNNYVALE, CALIFORNIA 94088-3453

SERIAL NUMBER: 10290158

FILING DATE: 11/08/2002

PATENT NUMBER:

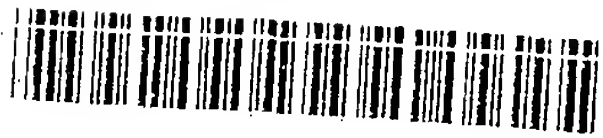
ISSUE DATE:

013479/0785 PAGE 2

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

11-15-2002

R SHEET



102281624

Attorney's Docket No. H1105

To the Honorable Commissioner of Patents and Trademarks

the attached original document(s) or copy(ies) thereof.

## 1. Name of conveying party(ies):

Shilby S. AHMED;  
Haihong WANG; and  
Bin YU

11/08/02

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of NameExecution Dates: October 31, 2002October 28, 2002October 31, 2002

## 2. Name and address of receiving party(ies):

Name: Advanced Micro Devices, Inc.

Internal Address:

Address: One AMD Place  
P.O. Box 3453, MS 68  
Sunnyvale, California 94088-3453

Additional name(s) &amp; address(es) attached?

☐ Yes☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

October 28 and 31, 2002

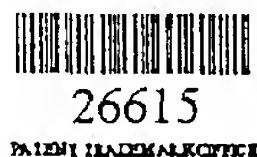
A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Alan Pedersen-Giles

Address: HARRITY & SNYDER, L.L.P.  
11240 Waples Mill Road  
Suite 300  
Fairfax, Virginia 22030

26615

PATENT TRADEMARK OFFICE

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed☐ Authorization to be charged to deposit account, if necessary.

## 8. Deposit account number:

50-1070

11/14/2002 TDIAZI 00000149 10290158

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## 9. Signature.

Alan Pedersen-Giles  
Name of Person Signing

Reg. No. 39,996

Signature

November 8, 2002  
Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231



ASSIGNMENT

WHEREAS WE, Shibly S. AMHED; Haihong WANG; and Bin YU of San Jose; Fremont; and Cupertino, all of California, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled DOUBLE GATE SEMICONDUCTOR DEVICE HAVING SEPARATE GATES, executed by us on the date of execution of this document, as shown below, and ☒ for which an application is being filed herewith; or ☐ for which we filed an application for United States Letters Patent on \_\_\_\_\_ under Serial No. \_\_\_\_\_;

AND WHEREAS, Advanced Micro Devices, Inc., a corporation of the State of Delaware and having an address of One AMD Place, P. O. Box 3453, Sunnyvale, California 94088-3453 is desirous of acquiring the entire right, title and interest in and to said invention including any previously or subsequently filed provisional applications, any subsequently filed applications and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Advanced Micro Devices, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, any previously or subsequently filed provisional applications, any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Advanced Micro Devices, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

10.31.02  
\_\_\_\_\_  
Date

Shibly Sadique Ahmed  
\_\_\_\_\_  
Shibly S. AHMED

10/28/02  
\_\_\_\_\_  
Date

Haihong Wang  
\_\_\_\_\_  
Haihong WANG

10/31/02.  
\_\_\_\_\_  
Date


Bin YU  
\_\_\_\_\_  
Bin YU

STATE OF CALIFORNIA )

COUNTY OF Santa Clara SS:

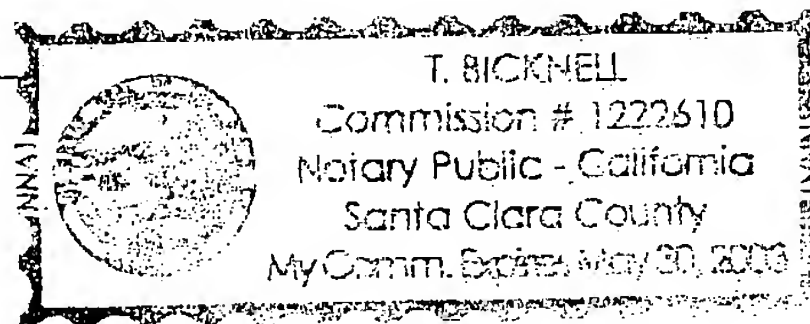
On Oct. 31, 2002 before me, T. Bicknell, Notary Public  
 personally appeared Shibly S. AHMED, personally known to me (or proved to me on the basis of  
 satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and  
 acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that  
 by (his/her/their) signature(s) on the instrument the person(s), or the entity upon behalf of which the  
 person(s) acted, executed the instrument.

WITNESS my hand and official seal.



(signature of Notary)

(seal of Notary)

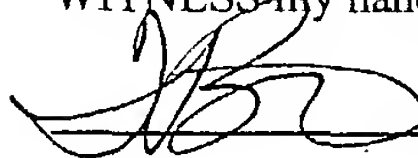
My commission expires May 30, 2003

STATE OF CALIFORNIA )

COUNTY OF Santa Clara SS:

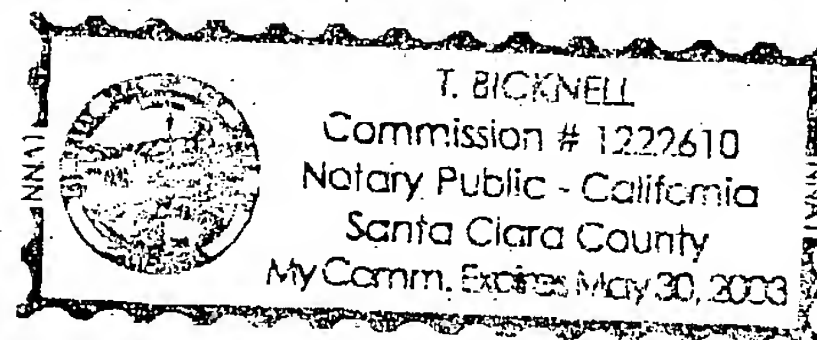
On Oct. 28, 2002 before me, T. Bicknell, Notary Public  
 personally appeared Haihong WANG, personally known to me (or proved to me on the basis of  
 satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and  
 acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that  
 by (his/her/their) signature(s) on the instrument the person(s), or the entity upon behalf of which the  
 person(s) acted, executed the instrument.

WITNESS my hand and official seal.



(signature of Notary)

(seal of Notary)

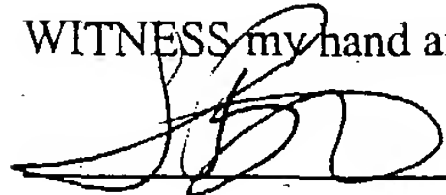
My commission expires May 30, 2003

STATE OF CALIFORNIA )

COUNTY OF Santa Clara SS:

On Oct. 31, 2002 before me, T. Bicknell, Notary Public  
 personally appeared Bin YU, personally known to me (or proved to me on the basis of satisfactory  
 evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged  
 to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by (his/her/their)  
 signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted,  
 executed the instrument.

WITNESS my hand and official seal.



(signature of Notary)

(seal of Notary)

My commission expires May 30, 2003